

Datasheet of SAW Filter

1511 Band39,41n DRx Diplex Dual

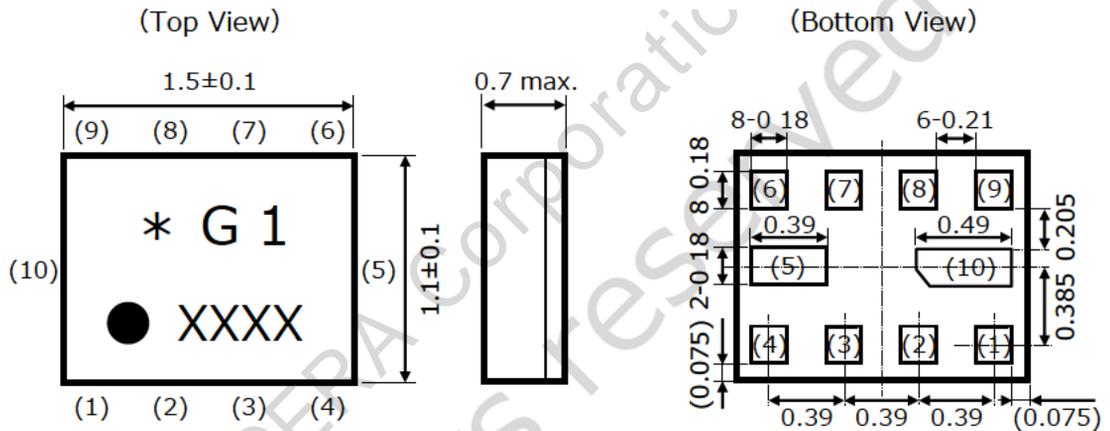
KYOCERA Part No. : SF15-2600AASUB1

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Rating

Items	Rating	Unit	Note
Operating Temperature Range	-30 to +85	deg.C	
Storage Temperature Range	-40 to +85	deg.C	
Max Input Power (DRx port)	+13	dBm	5,000hours, Ta=50deg.C, CW
Ant Port Nominal Impedance	50//2.2nH	ohm	Unbalance
Band41 Port Nominal Impedance	50//5.1nH	ohm	Unbalance
Band39 Port Nominal Impedance	50//10nH	ohm	Unbalance

Dimensions

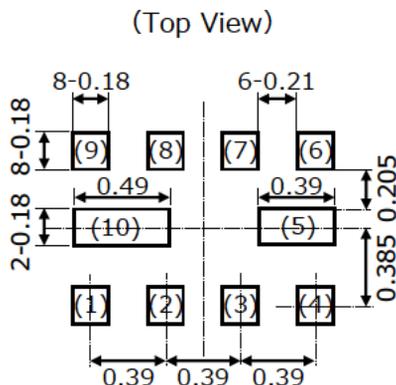


- * : Identification logo
- G1 : Identification no.
- : Index mark of pin 1
- XXXX : Production code

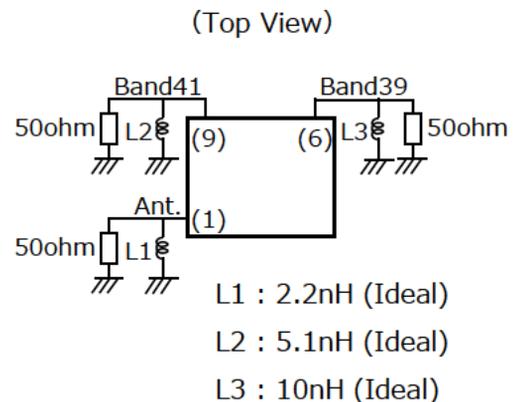
Unit : mm

Pin No.	Function
(1)	Ant.
(6)	Band39 DRx
(9)	Band41 DRx
Others	GND

Recommendable Land Pattern



Measurement Circuit



Electrical Characteristics

Band39

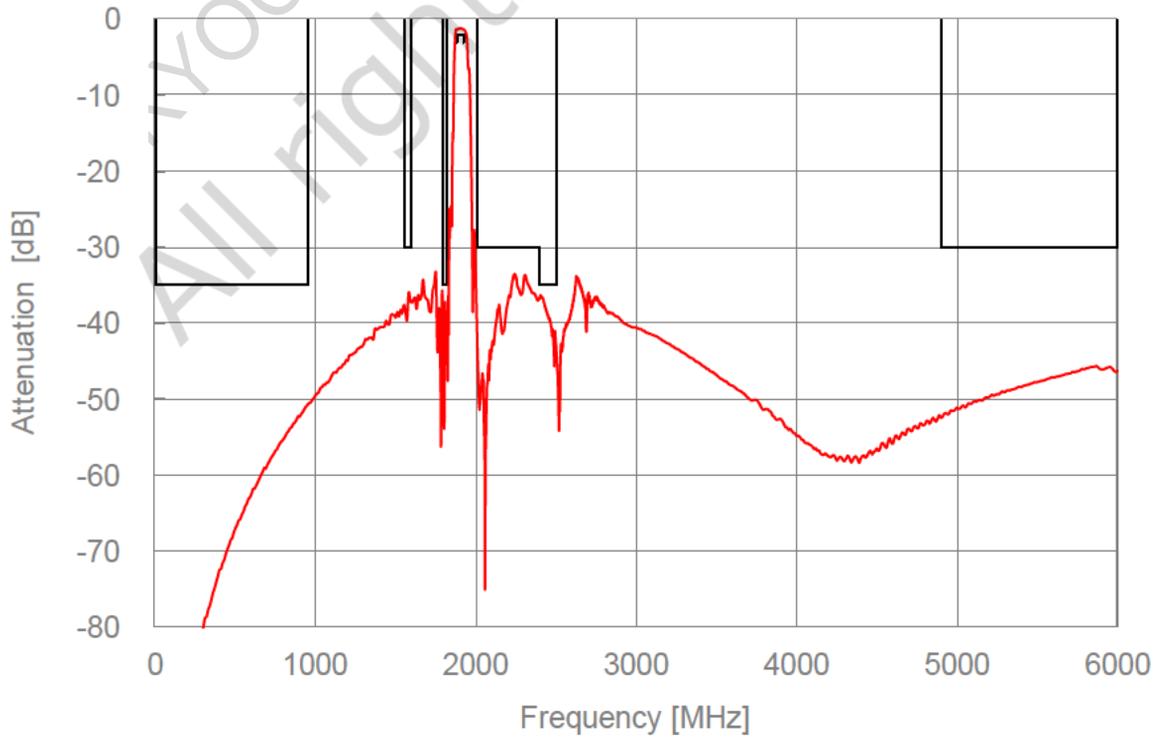
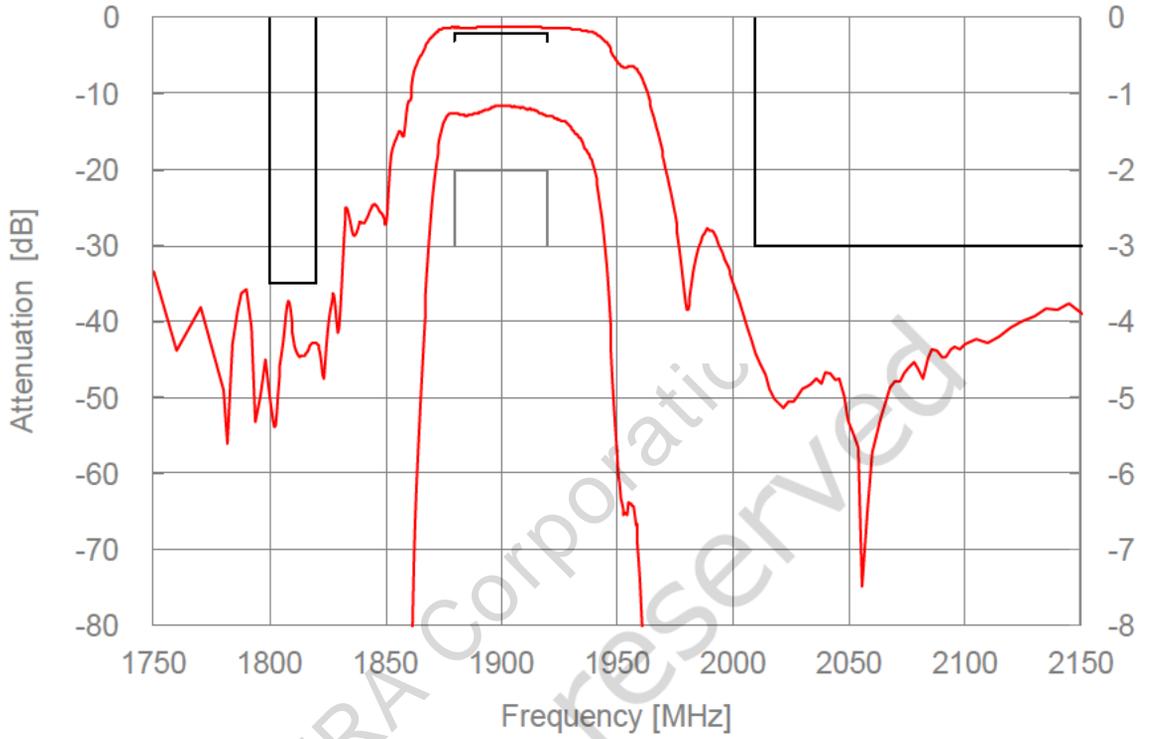
Items	Frequency (MHz)		Characteristics			Unit	Note
			min.	typ.	max.		
Nominal Center Frequency	-		1900			MHz	
Insertion Loss	1880	to 1920	-	1.3	2.0	dB	
Ripple	1880	to 1920	-	0.1	1.0	dB	
Ant. VSWR	1880	to 1920	-	1.3	2.1	-	
B39 VSWR	1880	to 1920	-	1.4	2.1	-	
Absolute Attenuation	10	to 960	35	51	-	dB	
	1560	to 1600	30	36	-	dB	
	1800	to 1820	35	37	-	dB	
	2010	to 2025	30	44	-	dB	
	2025	to 2400	30	34	-	dB	
	2400	to 2500	35	36	-	dB	
	4900	to 6000	30	46	-	dB	

Band41

Items	Frequency (MHz)		Characteristics			Unit	Note
			min.	typ.	max.		
Nominal Center Frequency	-		2600			MHz	
Insertion Loss	2545	to 2655	-	2.4	3.1	dB	
Ripple	2545	to 2655	-	1.0	2.0	dB	
Ant. VSWR	2545	to 2655	-	1.5	2.1	-	
B41 VSWR	2545	to 2655	-	1.4	2.1	-	
Absolute Attenuation	10	to 960	35	50	-	dB	
	1560	to 1600	30	34	-	dB	
	1710	to 2300	28	31	-	dB	
	2300	to 2400	28	35	-	dB	
	2400	to 2483	28	36	-	dB	
	2750	to 4900	30	35	-	dB	
	4900	to 5900	30	35	-	dB	

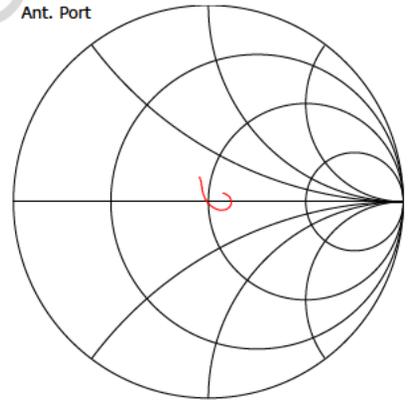
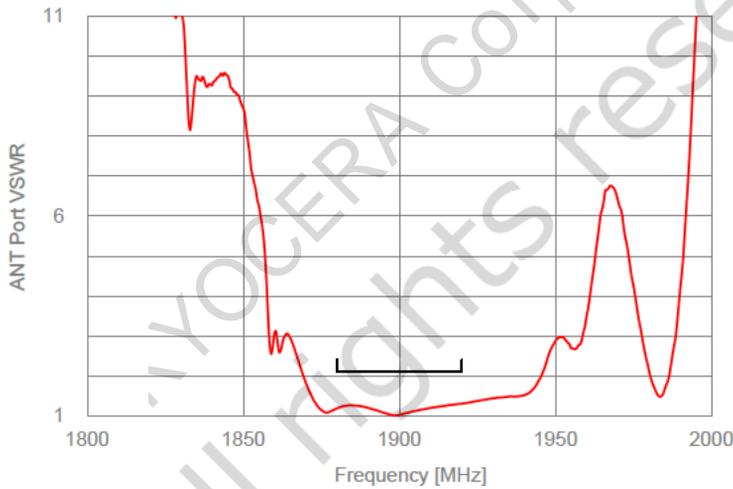
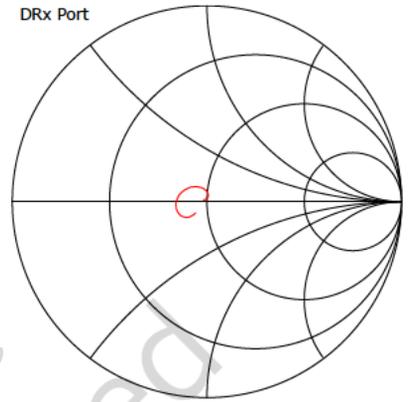
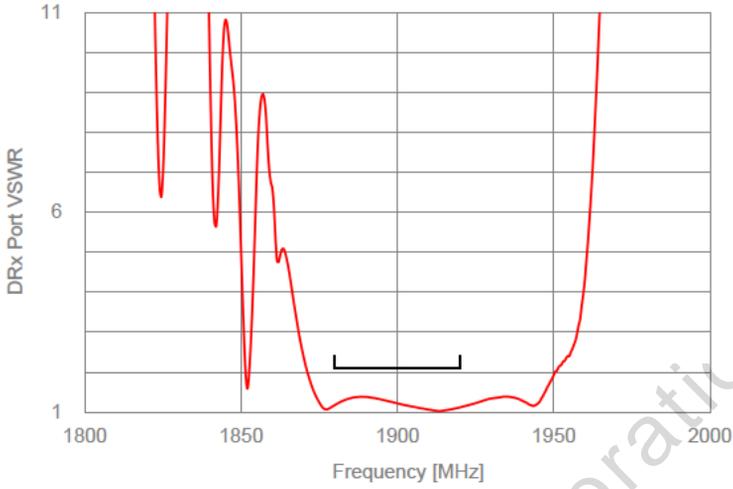
Electrical Characteristics

[Band39]



Electrical Characteristics

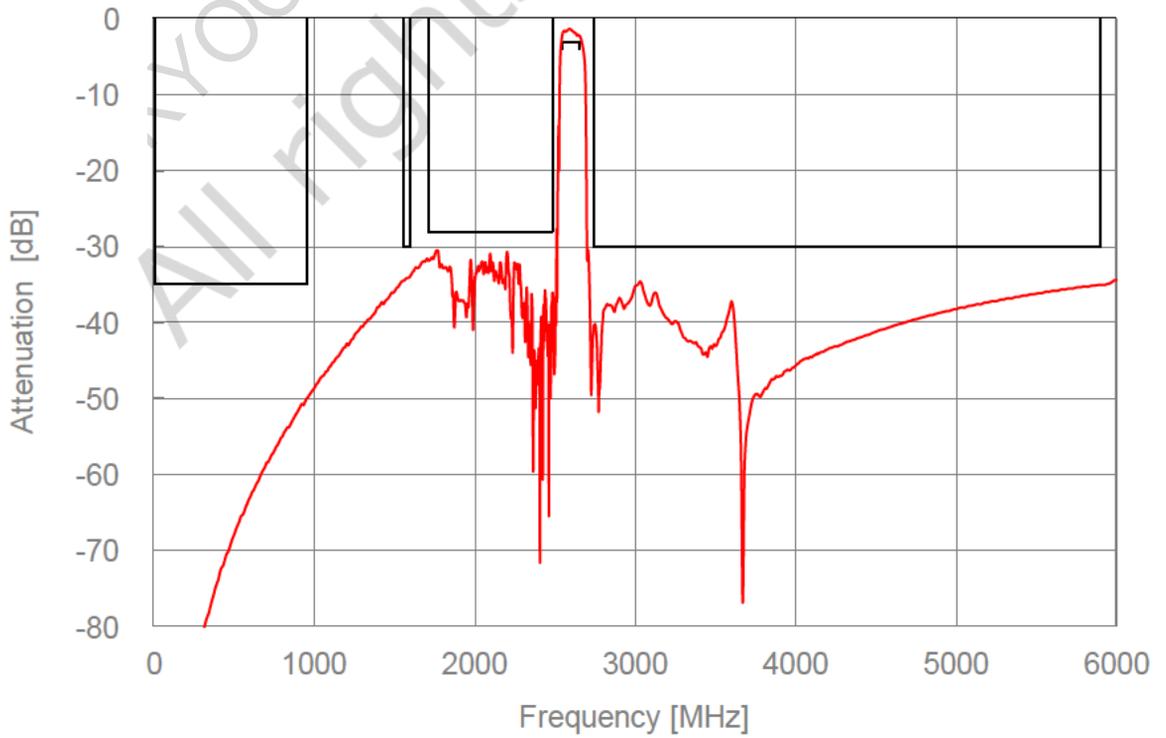
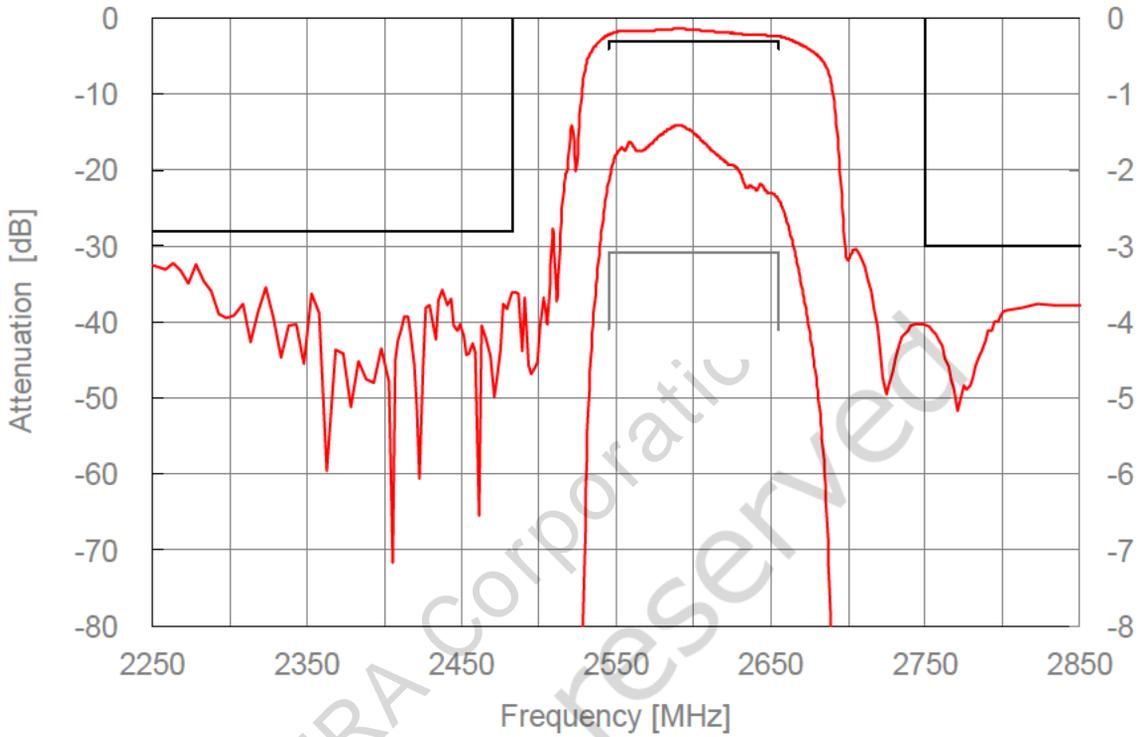
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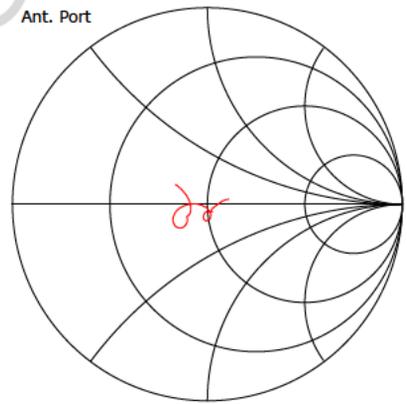
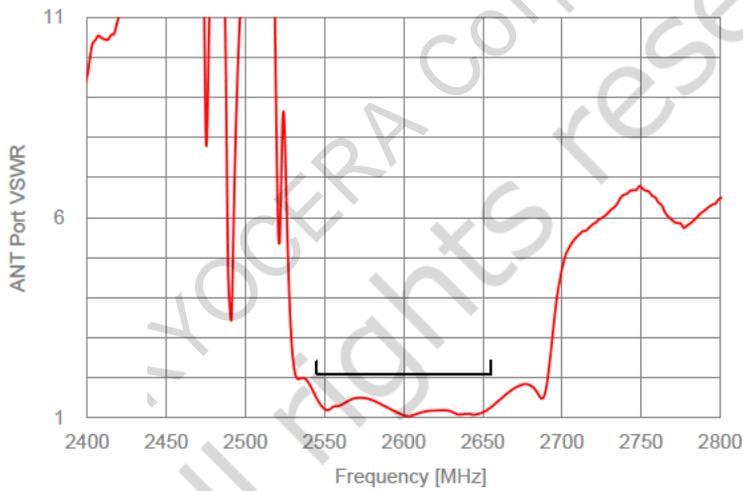
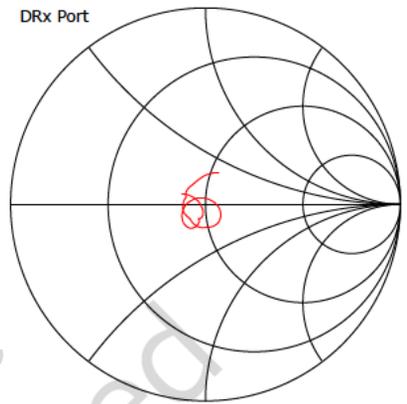
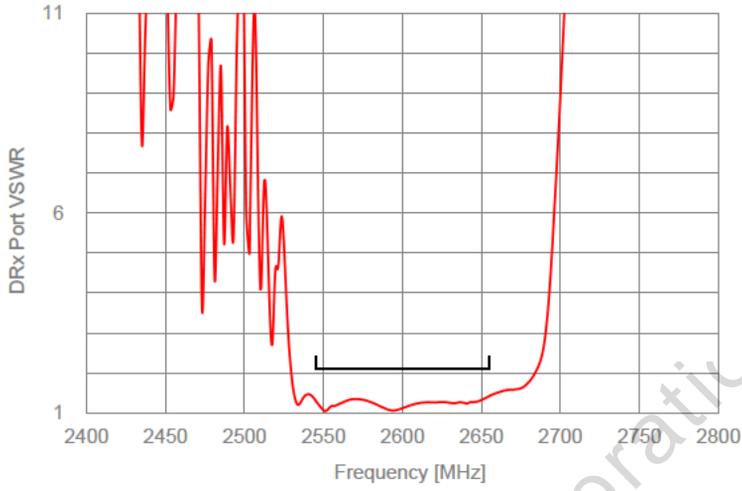
Electrical Characteristics

[Band41]



Electrical Characteristics

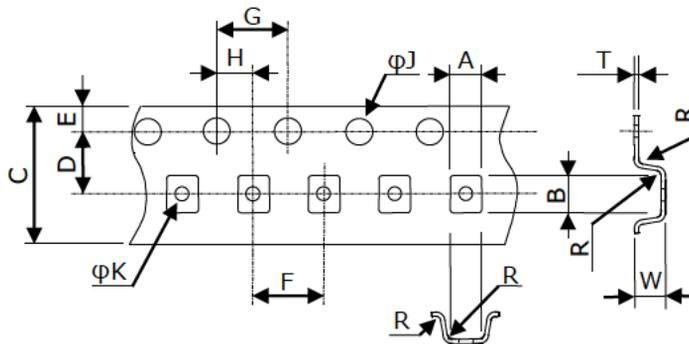
[Band41]



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Tape & Reel Specification

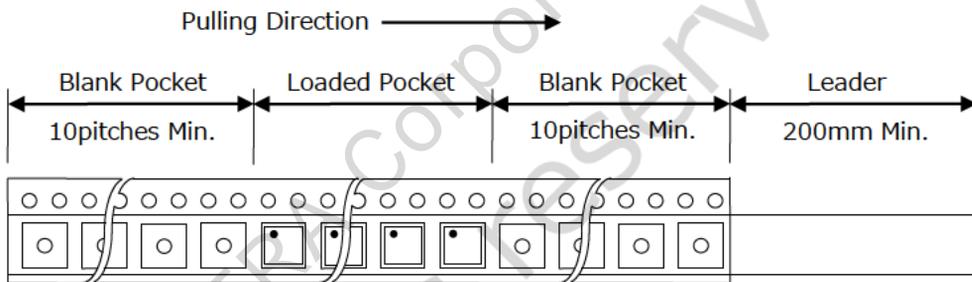
[Tape]



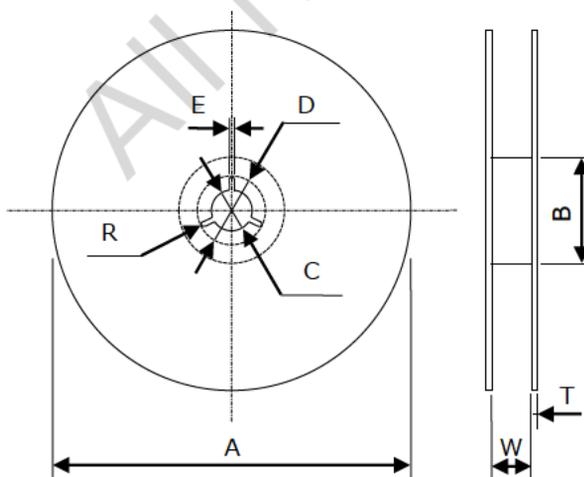
Unit : mm

Part	Dimension
A	1.4±0.1
B	1.7±0.1
C	8.0±0.2
D	3.50±0.05
E	1.75±0.10
F	4.0±0.1
G	4.0±0.1
H	2.00±0.05
φJ	1.5±0.1
φK	0.50±0.05
R	0.3 Max
W	0.8±0.1
T	0.20±0.05

W : Dimension is depth of pockets.



[Reel]



Unit : mm

Part	Dimension
A	178 ± 2
B	60 ± 2
C	13.0 ± 0.2
D	21.0 ± 0.8
E	2.0 ± 0.5
R	1
W	9.5 ± 1.0
T	2.0 ± 0.2

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