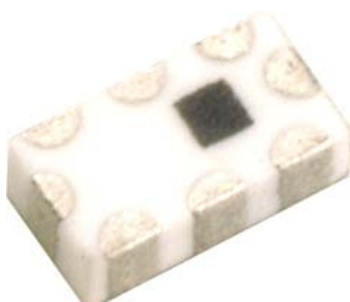


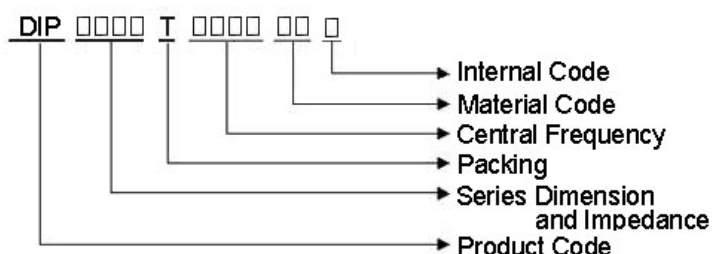
DIPLEXER Series



Features

- RoHS Compliant
- Miniaturized
- Low insertion loss
- High rejection at lower stop band and 2nd harmonic band

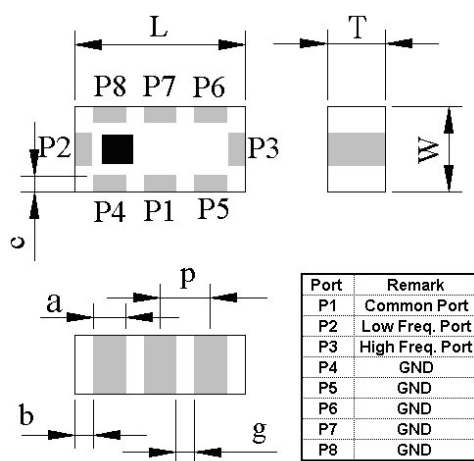
Product Identification



Applications

- 2.4/5GHz Dual-Band WLAN

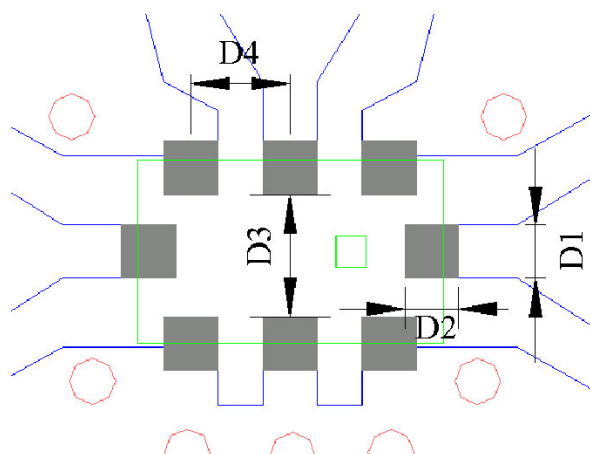
Shapes and Dimensions



Dimension in mm

TYPE	L	W	T	a	b	c	g	p
DIP2012T2455HA1	2.0±0.1	1.25±0.1	0.7±0.1	0.3±0.1	0.2±0.1	0.3±0.15	0.35±0.1	0.65±0.1
DIP2012T2455NA3	2.0±0.1	1.25±0.1	0.7±0.1	0.3±0.1	0.2±0.1	0.3±0.15	0.35±0.1	0.65±0.1

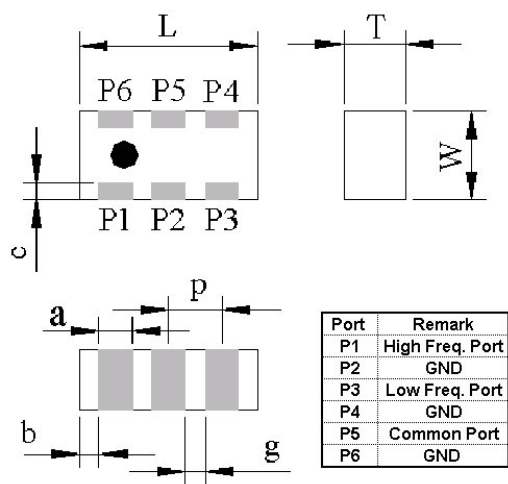
Recommended Pattern



Dimension in mm

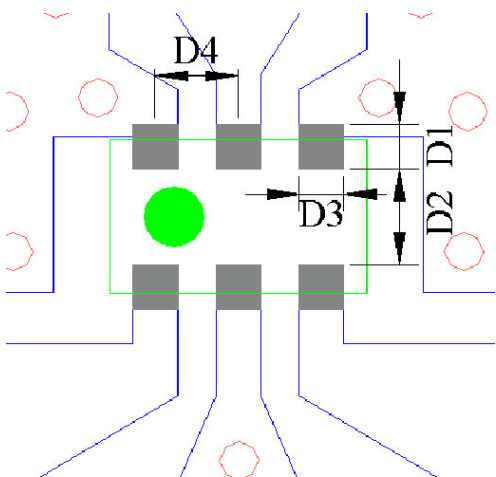
TYPE	D1	D2	D3	D4
DIP2012T2455HA1	0.35±0.1	0.35±0.1	0.8±0.1	0.65±0.1
DIP2012T2455NA3	0.35±0.1	0.35±0.1	0.8±0.1	0.65±0.1

Low Temperature Cofired Ceramic LTCC Series



Dimension in mm

TYPE	L	W	T	a	b	c	g	p
DIP2012T2455HA2	2.0±0.1	1.25±0.1	0.7±0.1	0.3±0.1	0.2±0.1	0.3±0.15	0.35±0.1	0.65±0.1



Dimension in mm

TYPE	D1	D2	D3	D4
DIP2012T2455HA2	0.35±0.1	0.75±0.1	0.35±0.1	0.65±0.1

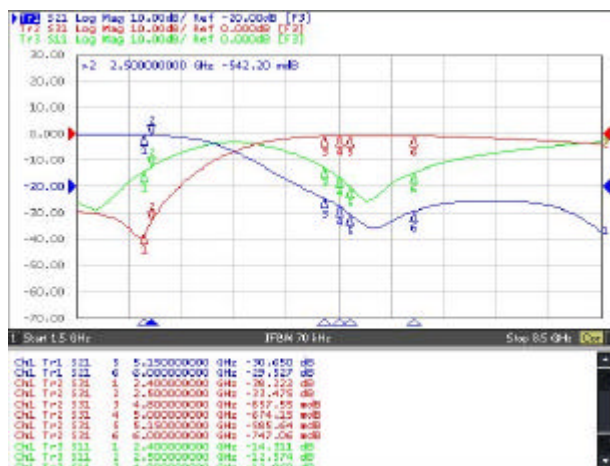
Low Temperature Cofired Ceramic LTCC Series

Electrical Characteristics

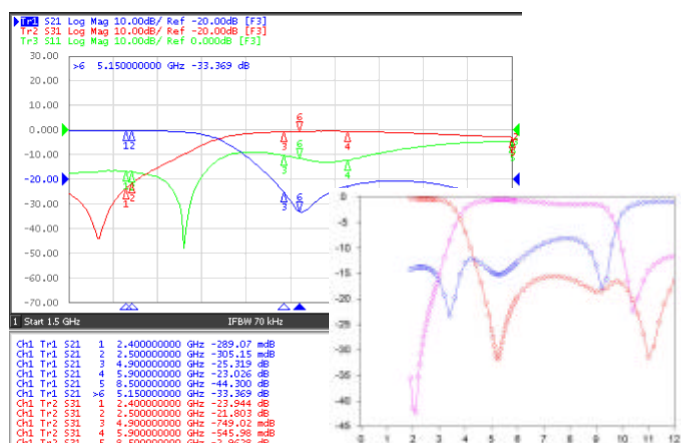
Part Number	Pass Band (GHz)	BandWidth (MHz)	VSWR	IL (dB) Typ	Attenuation
DIP2012T2455HA1	2.4~2.5	100	2	0.55	20dB @ 4.8 ~ 5.875 GHz
	4.9~5.875	975	2	0.7	25dB @ 2.4 ~ 2.5 GHz
DIP2012T2455HA2	2.4~2.5	100	2	0.55	20dB @ 4.8 ~ 6.0 GHz
					18dB @ 7.2 ~ 7.5 GHz
	4.9~5.875	950	2	0.80	20dB @ 1.8 ~ 2.5 GHz 15dB @ 10.3 ~ 10.7 GHz ref
DIP2012T2455NA3	2.4~2.5	100	2	0.55	20dB @ 4.8 ~ 5.875GHz
	4.9~5.875	975	2	0.70	25dB @ 2.4 ~ 2.5GHz

Test Instruments : Agilent E5071B/N5230A Vector Netowrk Analyzer

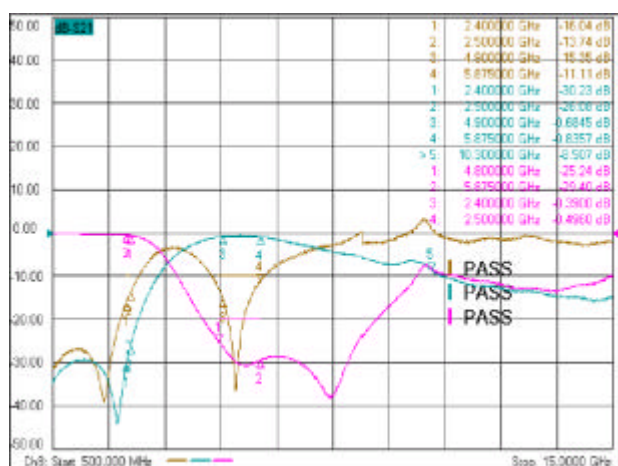
DIP2012T2455HA1



DIP2012T2455HA2

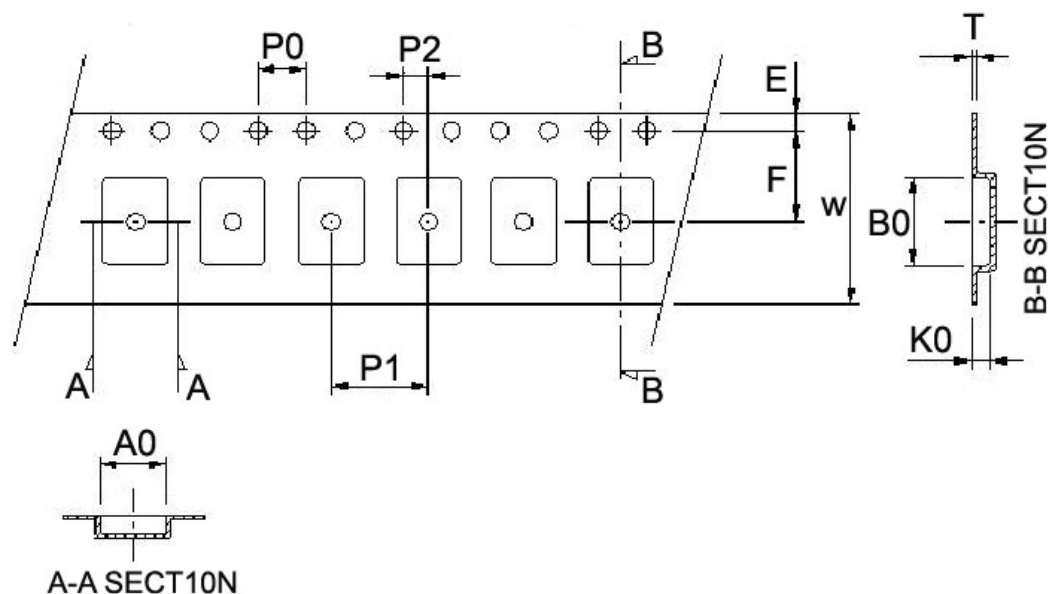


DIP2012T2455HA1

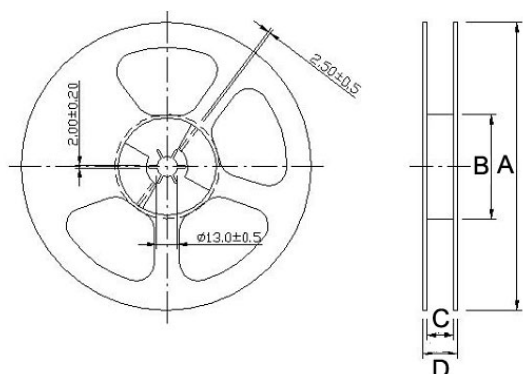


Packaging Specifications

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions									Reel Dimensions				Quantity
	A0	B0	T	E	W	P1	P2	F	K0	A	B	C	D Max	
DIP2012T2455HA1	1.42	2.25	0.22	1.75	8.1	4	2.0	3.5	0.8	178	62	8.4	14.4	4000
DIP2012T2455HA2	1.42	2.25	0.22	1.75	8.1	4	2.0	3.5	0.8	178	62	8.4	14.4	4000
DIP2012T2455NA3	1.42	2.25	0.22	1.75	8.1	4	2.0	3.5	0.8	178	62	8.4	14.4	4000