

Ceramic RF Devices for General Electronic Equipment for Consumer

REFLOW

PART NUMBER

T	S	D	1	M	1	5	H	8	2	9	M	L	M	0	D	Z	T	
①	②	③	④	⑤	⑥	⑦	⑧	⑨										

①Series

Code (1)(2)(3)(4)	
TSB1	Ceramic RF Device for General Electronic Equipment for Consumer, Band Pass type
TSC1	Ceramic RF Device for General Electronic Equipment for Consumer, Coupler
TSC4	Ceramic RF Device for General Electronic Equipment for Consumer, Coupler, 2 Branch type
TSD1	Ceramic RF Device for General Electronic Equipment for Consumer, Diplexer
TSH1	Ceramic RF Device for General Electronic Equipment for Consumer, High Pass type
TSL1	Ceramic RF Device for General Electronic Equipment for Consumer, Low Pass type
TST1	Ceramic RF Device for General Electronic Equipment for Consumer, Triplexer

(1) Product Group

Code	
T	Ceramic RF Devices

(2) Category

Code	Recommended equipment	Quality Grade
S	General Electronic Equipment for Consumer	3

(3) Type

Code	
B	Band Pass type
C	Coupler
D	Diplexer
H	High Pass type
L	Low Pass type
T	Triplexer

(4) Features, Characteristics

Code	
1	Standard
4	2 Branch type

②Series name

Code	Series name
N	Standard
M	High performance compact product

③Dimensions (L × W)

Code	Dimensions (L × W) [mm]
22	2.5 × 2.0
21	2.0 × 1.25
18	1.6 × 0.8
15	1.0 × 0.5

④Thickness

Code	Thickness [mm]
A	1.0
C	0.7
D	0.65
F	0.5
G	0.45
H	0.4

⑤Frequency

Code (example)	Frequency [MHz]
2G45	2400 ~ 2500
829M	698 ~ 960

⑥Electrode type

Code	Electrode type
N	External electrode
L	LGA electrode

⑦Internal Code

⑧Packaging

Code	Packaging
T	Taping

⑨Internal Code

EXTERNAL DIMENSIONS / STANDARD QUANTITY

<p>TSB1N21D LGA 3Pins type</p>	<p>TSB1N18F2G45NS001T</p>	<p>TSB1N15H / TSL1N15H Side 4Pins type</p>	<p>TSL1N18D628MNS0M4T</p>
<p>TSB1N18B/TSL1N18D / TSH1N18D LGA 3Pins type</p>	<p>TSD1N18D2G45NS030T</p>	<p>TSD1N21A LGA 6Pins type</p>	<p>TSD1N21C LGA 6Pins type</p>
<p>TSD1N18B LGA 6Pins type</p>	<p>TSD1M15H829MLM0DZT</p>	<p>TST1N22D LGA 9Pins type</p>	<p>TSC1N18D1G68NC0AAT</p>
<p>TSC4N18F1G69NS0B1T</p>			

Unit: mm

	TSB1N21D LGA 3Pins type	TSL1N18D628MNS0M4T	TSL1N18D / TSH1N18D LGA 3Pins type	TSD1N18D2G45NS030T	TSD1N21A829MLS0G2T TSD1N21A829MLV0H9T TSD1N21A1G95LV0ENT TSD1N21C1G70LV0CLT	TSD1N21A829MLV0JTT TSD1N21C1G70LV0HUT
(1)	RF IN/OUT	I/O Port	RF IN/OUT	GND	Low Band	High Band
(2)	GND	GND	GND	Common	GND	GND
(3)	RF IN/OUT	I/O Port	RF IN/OUT	GND	High Band	Low Band
(4)	-	GND	-	Low Band	GND	GND
(5)	-	GND	-	GND	Common Port	Common Port
(6)	-	GND	-	High Band	GND	GND
(7)	-	-	-	-	-	-
(8)	-	-	-	-	-	-

	TSD1N18B829MLV0D4T TSD1N18B1G79LS0FHT	TSD1N18B829MLV0CZT	TSD1M15H829MLM0DZT	TST1N22D829MLV0H2T	TSC1N18D1G68NC0AAT	TSC4N18F1G69NS0B1T
(1)	GND	GND	High Band	High Band	CPL	RF1 IN/OUT
(2)	Common Port	Common Port	Common Port	GND	GND	CPL2 RF1
(3)	GND	GND	Low Band	Mid Band	Isolation	CPL2 RF2
(4)	High Band	Low Band	Low Band	GND	RF OUT	GND
(5)	GND	GND	GND	Low Band	GND	RF2 OUT/IN
(6)	Low Band	High Band	High Band	GND	RF IN	CPL1 RF2
(7)	-	-	-	Common Port	-	CPL1 RF1
(8)	-	-	-	GND	-	GND
(9)	-	-	-	GND	-	-

Type	Standard quantity [pcs]
22	3000
21	3000~6000
18	4000~8000
15	10000