

Features

DN series(1000 thermal cycles guaranteed) is designed to meet severe thermal shock requirement.
3000 cycles type is now available in DR series. Please contact our local office for the details.

Temperature Compensation Dielectrics/Capacitance Range

Size (mm)	DN/DR105 (0603)		DN/DR21 (0805)		DN/DR316 (1206)	
	CΔ•SL		CΔ•SL		CΔ•SL	
Temperature Characteristics	CΔ•SL		CΔ•SL		CΔ•SL	
Rated Voltage (VDC)	50	100	50	100	50	100
Capacitance (pF)						
R50	A	A				
1R0						
1R5						
2.0						
3.0						
4.0						
5.0						
6.0						
7.0						
8.0						
9.0						
100						
120						
12						
15						
18						
22						
27						
33						
39						
47						
56						
68						
82						
101						
121						
120						
150						
180						
220						
270						
330						
390						
470						
560						
680						
820						
1000						
102						
122						
1200						
1500						
1800						
2200						
2700						
3300						

DR series : 105, 21 size, (L)(W)(T) Tolerance ±0.15mm

Application

Circuits subject to wide temperature changes, such as those of vehicles and electronic communications equipment for outdoor use.

X7R Dielectric/Capacitance Range

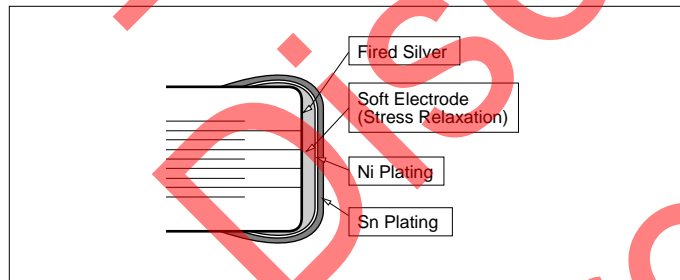
Size (mm)	DN/DR 105 (0603)			DN/DR 21 (0805)			DN/DR 316 (1206)		
	X7R			X7R			X7R		
Temperature Characteristics	X7R			X7R			X7R		
Rated Voltage (VDC)	25	50	100	25	50	100	25	50	100
Capacitance (pF)									
151									
150									
220									
330									
470									
680									
102									
152									
1500									
2200									
3300									
4700									
6800									
103									
10000									
153									
15000									
22000									
33000									
47000									
68000									
104									
100000									
154									
150000									
220000									
330000									
470000									
680000									
105									
1000000									

DR series : 105, 21 size, (L)(W)(T) Tolerance ±0.15mm

Size	105					21, 316				
Thickness (t) (mm)	A	B	C	D	E	A	B	C	D	E
	0.8±0.1	0.85±0.1	1.15±0.1	1.25±0.1	1.6±0.15					
Taping(180 dia reel)	4kp(P8)	4kp(P8)	3kp(E8)	3kp(E8)	2.5kp(E8)					
Taping(330 dia reel)	10kp(P8)	10kp(P8)	10kp(E8)	10kp(E8)	5kp(E8)					

Taping denotes the quantity packaged per reel(kp means 1000pcs).P8 in parenthesis denotes 8mm width paper tape ; E8 denotes 8-mm width plastic tape.

DR series Termination



• Maximum Soldering Temperature C ≤ 280°C