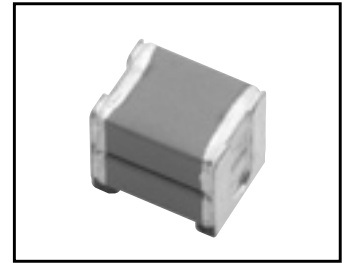


HIGH CAPACITANCE · HIGH VOLTAGE STACKED TYPES [RS Series]

■ Features

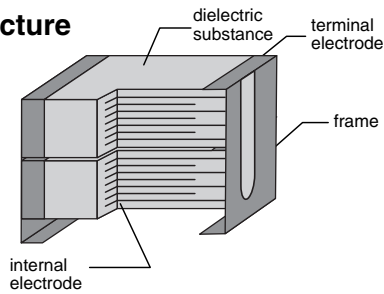
- The mounting surface is small.
- Compact and large capacity.
- Excellent temperature cycling.
- Non-polar.
- Pb free.
- RoHS Compliant.



■ Applications

- Smoothing circuit and snubber circuit of compact switching power supply.

■ Structure



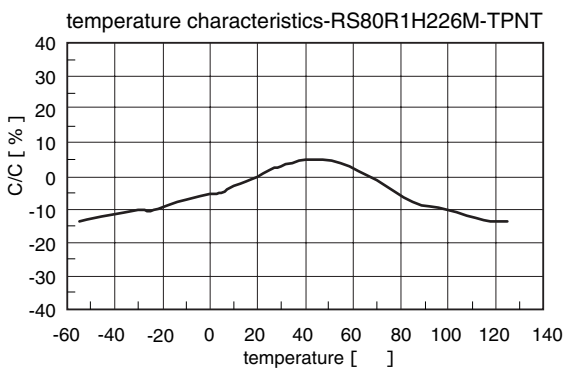
■ Range of Use

Temperature characteristics	EIA symbol	Capacitance change	Temperature range	Capacitance tolerance
R	X7R	±15%	-55~+125	M (±20%)

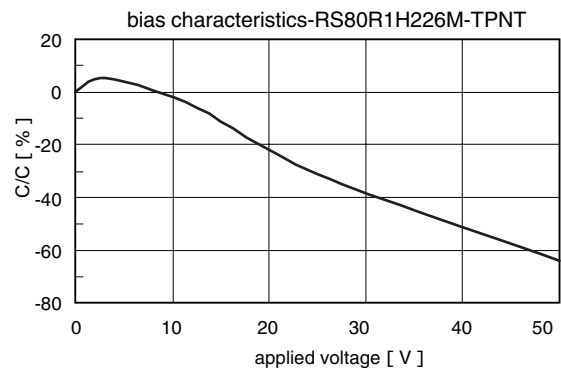
■ Capacitance Map

Type	RS70 (4.5 × 3.2)				RS80 (5.7 × 5.0)			
	50Vdc (1H)	100Vdc (2A)	250Vdc (2E)	630Vdc (2J)	50Vdc (1H)	100Vdc (2A)	250Vdc (2E)	630Vdc (2J)
104 0.1 μF				6.00				
154 0.15 μF				6.00				
224 0.22 μF				6.00				6.00
334 0.33 μF								6.00
474 0.47 μF			6.00					6.00
684 0.68 μF			6.00					
105 1.0 μF			6.00				6.00	
155 1.5 μF							6.00	
225 2.2 μF		6.00					6.00	
335 3.3 μF		6.00						
475 4.7 μF	6.00	6.00				6.00		
685 6.8 μF	6.00					6.00		
106 10 μF	6.00				6.00	6.00		
156 15 μF					6.00			
226 22 μF					6.00			

■ Capacitance-Temperature characteristics (Reference)



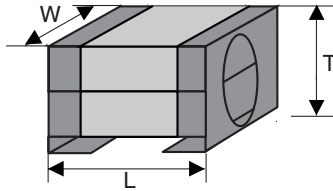
■ DC bias characteristics (Reference)



CERAMIC CAPACITORS

HIGH CAPACITANCE · HIGH VOLTAGE STACKED TYPES [RS Series]

■ Dimensions



Unit : mm

Type	L	W	T
RS70	5.2±0.5	3.2±0.4	6.0 max.
RS80	6.2±0.5	5.0±0.4	6.0 max.

■ List of products in RS Series

Rated Voltage : 630Vdc

Part Number	Capacitance(μF)	Product height T (mm)
RS70R2J104M-TS0T	0.1	6.00 max.
RS70R2J154M-TS0T	0.15	6.00 max.
RS70R2J224M-TS0T	0.22	6.00 max.
RS80R2J224M-TS0T	0.22	6.00 max.
RS80R2J334M-TS0T	0.33	6.00 max.
RS80R2J474M-TS0T	0.47	6.00 max.

Rated Voltage : 250Vdc

Part Number	Capacitance(μF)	Product height T (mm)
RS70R2E474M-TPNT	0.47	6.00 max.
RS70R2E684M-TPNT	0.68	6.00 max.
RS70R2E105M-TPNT	1	6.00 max.
RS80R2E105M-TPNT	1	6.00 max.
RS80R2E155M-TPNT	1.5	6.00 max.
RS80R2E225M-TPNT	2.2	6.00 max.

Rated Voltage : 100Vdc

Part Number	Capacitance(μF)	Product height T (mm)
RS70R2A225M-TPNT	2.2	6.00 max.
RS70R2A335M-TPNT	3.3	6.00 max.
RS70R2A475M-TPNT	4.7	6.00 max.
RS80R2A475M-TPNT	4.7	6.00 max.
RS80R2A685M-TPNT	6.8	6.00 max.
RS80R2A106M-TPNT	10	6.00 max.

Rated Voltage : 50Vdc

Part Number	Capacitance(μF)	Product height T (mm)
RS70R1H475M-TPNT	4.7	6.00 max.
RS70R1H685M-TPNT	6.8	6.00 max.
RS70R1H106M-TPNT	10	6.00 max.
RS80R1H106M-TPNT	10	6.00 max.
RS80R1H156M-TPNT	15	6.00 max.
RS80R1H226M-TPNT	22	6.00 max.

* All types are available for reflow soldering only.

* Custom specifications are available. Please contact us for the details.