

## R53BW482050SOM

Aliases (53BW482050SOM)

R53B, Film, Metallized Polypropylene, Automotive Safety, 8.2 uF, 20%, 800 VDC, 350 VAC (X2), 110°C, 37.5 mm



Click [here](#) for the 3D model.

### General Information

Series	R53B
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, EMI Safety
RoHS	Yes
Termination	Tinned Wire
Lead	Wire Leads
Safety Class	X2
Qualifications	ENEC, UL, cUL, CQC, AEC-Q200
AEC-Q200	Yes
THB Performance	Yes
Typical Component Weight	55.6 g
Construction	Series

### Dimensions

L	42mm +0.5/-0.7mm
H	44mm +0.3/-0.7mm
T	24mm +0.3/-0.7mm
S	37.5mm +/-0.4mm
S1	10.2mm +/-0.4mm
LL	4mm +2mm
F	1mm +/-0.05mm

### Packaging Specifications

Packaging	Pizza, Box
Packaging Quantity	44

### Specifications

Capacitance	8.2 uF
Tolerance	20%
Voltage DC	800 VDC
Voltage AC	350 VAC (X2)
Temperature Range	-40/+110°C
Rated Temperature	110°C
Dissipation Factor	0.3% 1kHz
Insulation Resistance	1.22 GOhms
Max dV/dt	100 V/us

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