

R75IR5120AAH4K

Aliases (75IR5120AAH4K)

R75H, Film, Metallized Polypropylene, Automotive Grade, 12 uF, 10%, 250 VDC, 105°C, 27.5 mm



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

General Information

Series	R75H
Dielectric	Metallized Polypropylene
Style	Radial
Features	Automotive Grade, Pulse
RoHS	Yes
Termination	Cut (Tinned Wire)
Lead	Cut
Qualifications	AEC-Q200
AEC-Q200	Yes
Typical Component Weight	27.8 g
Miscellaneous	Above 105C DC And AC Voltage Derating Is 1.25%/C.

Specifications

Capacitance	12 uF
Tolerance	10%
Voltage DC	250 VDC
Voltage AC	160 VAC
Temperature Range	-55/+125°C
Rated Temperature	105°C
Dissipation Factor	0.1% 1kHz
Insulation Resistance	2.5 GOhms
Max dV/dt	100 V/us
ESR	4 mOhms (100kHz)
Ripple Current	15.56 Amps (100kHz 90C), 1200 Amps (Peak)
Inductance	18 nH

Dimensions

L	32mm +0.3/-0.7mm
H	37mm +0.1/-0.7mm
T	22mm +0.2/-0.7mm
S	27.5mm +/-0.4mm
LL	4mm +2mm
F	0.8mm +/-0.05mm

Packaging Specifications

Packaging	Bulk, Bag
Packaging Quantity	168

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