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## AC 20A

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### DESCRIPTION

A range of ac feedthrough capacitors rated at 20A in a compact case size  
Capacitance values from 5nF to 300nF Test voltages of either 1250V dc or  
2250V dc are offered RoHS compliant

### RATINGS AND CHARACTERISTICS

Rated Voltage

Test Voltage

Rated Current, Ir

Insulation Resistance

DC Resistance

Ambient Temperature Range

Climatic Category

\*Current derating between 50°C and 85°C

250V 50/60Hz, or 600V dc

AsTabulated

20A @ 50°C\*

> 100MΩ

< 1mΩ

-55°C to +85°C

55/85/21

For temperature,  $\theta I\theta = IR \sqrt{(85 - \theta)/35}$

### PRODUCT RANGE

This range of capacitors is identical to the DS23725 – DS23727 range shown in previous catalogues

Part Number	Capacitance Value (nF ±20%)	Test Voltage (V dc)	Max Leakage Current (mA) @ 250V 50Hz	Typical Insertion Loss (dB) in 50 Ω system with/without load					
				300 kHz	1 MHz	10 MHz	100 MHz	300 MHz	1 GHz
DS23684	5	2250	0.5	—	2	17	37	47	57
DS23685	10	2250	1	1	6	24	44	54	64
DS23686	20	2250	1.9	3	10	30	46	60	70
DS23687	50	2250	4.7	8	18	38	58	68	78
DS23688	80	2250	7.5	12	22	42	62	72	82
DS23689	100	1250	9.4	14	24	44	70	74	84
DS23690	200	1250	19	20	30	50	74	80	90
DS23691	300	1250	28	24	34	50	74	84	90



## DIMENSIONS AND MECHANICAL DETAILS

Dimensions in mm

Mounting hardware

Case

Terminals

Weight

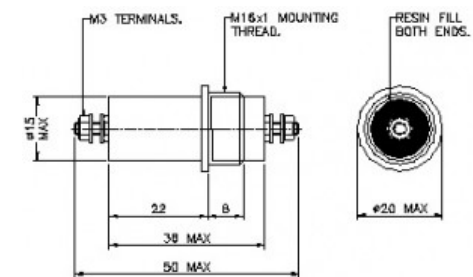
Max tightening torque:

Terminals

Mounting thread

19 A/F fixing nut  
and crinkle washer  
Nickel plated brass  
Nickel plated brass  
25g

0.5Nm (use 2  
spanners)  
7Nm



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