Load 25 to 200 W

Type 25

Type 50

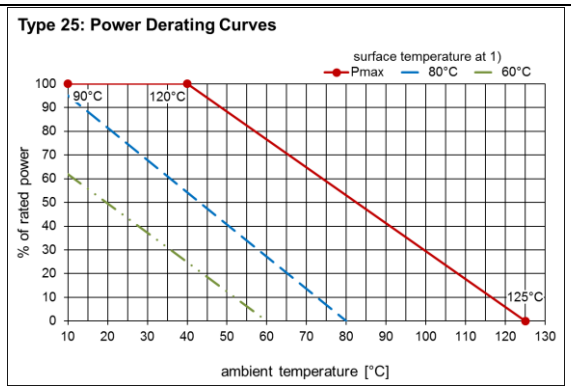
Type 100

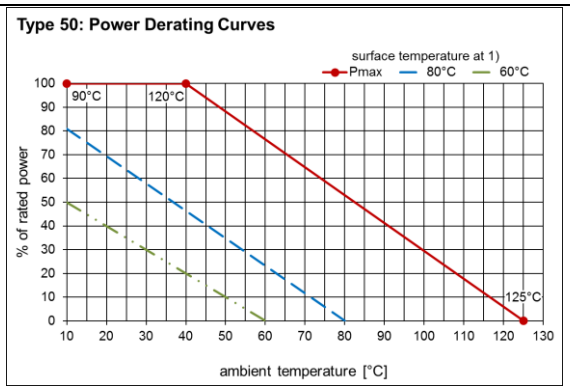
Type 200

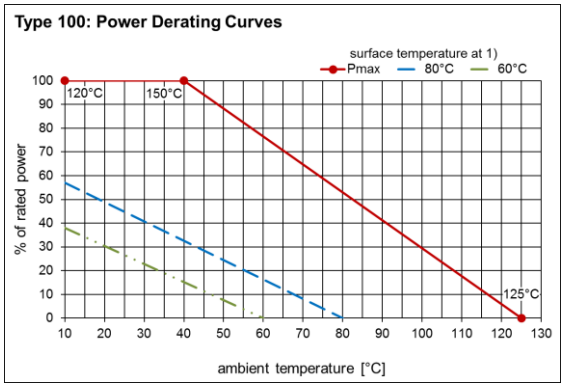
General technical data					
Frequency range	DC to 4 GHz (Extra feature: to 6 GHz)				
VSWR, max.	1.06 @ DC to 1 GHz	1.14 @ 1 to 2 GHz	1.20 @ 2 to 3 GHz	1.30 @ 3 to 4 GHz	1.40 @ 4 to 6 GHz
Power dissipation, max.	Type 25	Type 50	Type 100	Type 200	
	25 W	50 W	100 W	200 W	
IP protection level	IP50 per EN 60529 (Extra feature: IP68 per EN 60529)				
Weight, approx.	Type 25	Type 50	Type 100	Type 200	
	0.6 kg	0.9 kg	1.1 kg	2.7 kg	
Ambient temperature range	-40 to +40 °C full power 2) For higher ambient temperature see Power Derating Curve				
Altitude, max.	2286 m full power 2)				
Operating position	any				

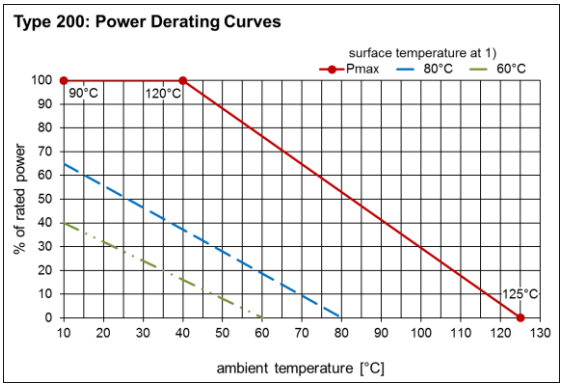
Load 25 to 200 W

Power derating

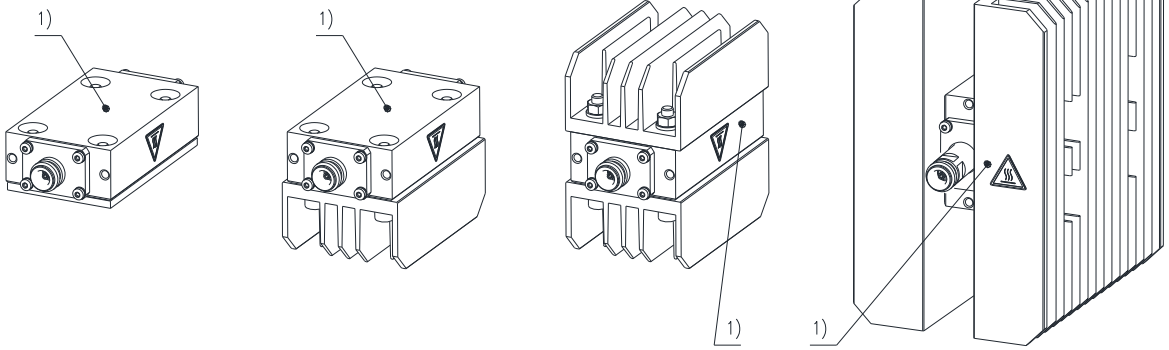








1) Measuring point for surface temperature, see graph
2) The maximum power handling is reduced with rising ambient temperatures, see Power Derating Curve

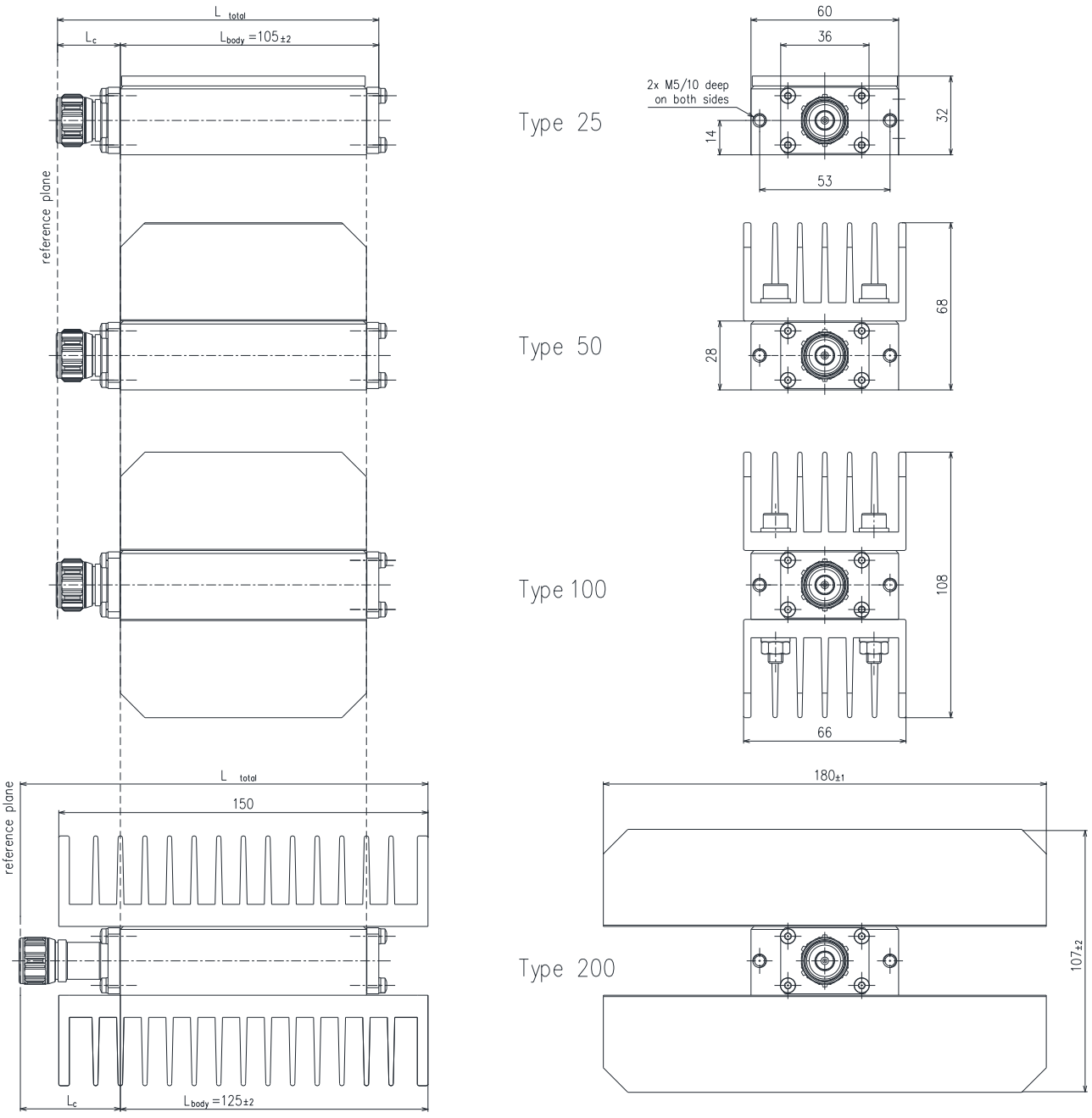


Template TD-00003E

Load 25 to 200 W

Dimensions and Variations:

Basic absorbing units



(All dimesions in millimeter)

Basic absorbing unit	
Substrate	aluminum nitride (free of beryllium odxide)
Case material / surface finish	aluminum / untreated
Heat sink	aluminum / anodised black
Other metal parts / surface finish	copper alloy / untreated stainless steel / untreated

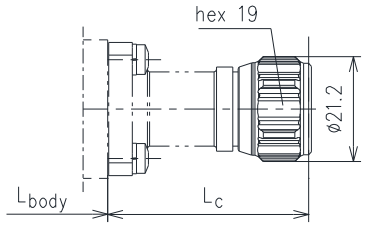
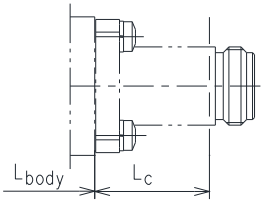
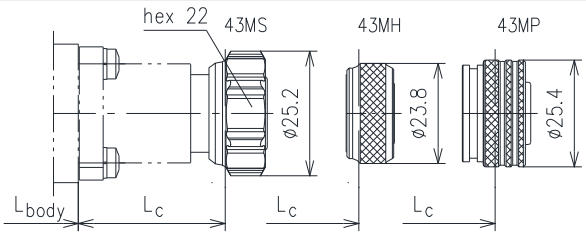
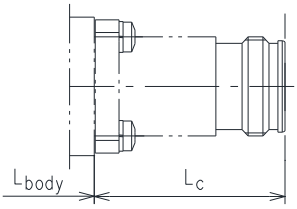
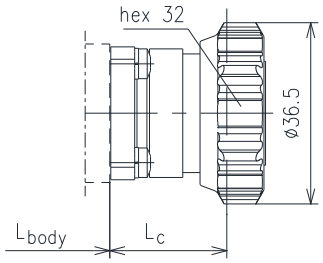
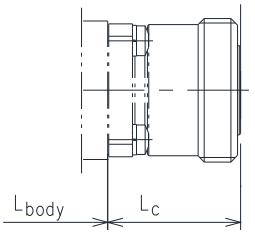
Calculation of total length:
Total length = length of body + length connector
Example on page 5

$L_{Total} = L_{Body} + L_C$

Template TD-00003E

Load 25 to 200 W

Connectors

	male	female
N (50 Ω) per IEC61169-16	 Lc Type 25,50,100: 25.5 Lc Type 200: 40.6	 Lc Type 25,50,100: 9.9 Lc Type 200: 34.6
4.3-10 (50 Ω) per IEC 61169-54	 Lc Type 25,50,100: 13.0 Lc Type 200: 32.3	 Lc Type 25,50,100: 21.0 Lc Type 200: 50.0
7-16 (50 Ω) per IEC 61169-4	 Lc Type 25,50,100: 18.9 Lc Type 200: 35.9	 Lc Type 25,50,100: 21.6 Lc Type 200: 45.6

(All dimesions in millimeter)

Connectors	
Inner conductor material / surface finish	copper alloy / silver plated
Outer conductor material / surface finish	copper alloy / silver plated copper alloy / CuSnZn plated (4.3-10 Types)
Other metal parts / surface finish	copper alloy / bright nickel plated copper alloy / CuSnZn plated
Insulation	PTFE
Sealing	silicone rubber

Calculation of total length:
Total length = length of body + length connector
Example on page 5

$L_{Total} = L_{Body} + L_C$

Template TD-00003E

Load 25 to 200 W

Sales article numbers

Load	Power Dissipation		Connector		Extra Feature
L	X	-	Z		-X
25 W	25				Leave blank if N/A
50 W	50				
100 W	100				
200 W	200				
			7-16 male	7M	
			7-16 female	7F	
			4.3-10 male; screw	43MS	
			4.3-10 male; hand screw	43MH	
			4.3-10 male; push-pull	43MP	
			4.3-10 female	43F	
			N male	NM	
			N female	NF	
					Measurement protocol: P
					Extended frequency range: E
					Upgrade from IP 50 to IP 68 (outdoor capable): O
					Extended frequency range + measurement protocol: EP
					Measurement protocol + IP 68: PO
					Extended frequency range + IP 68: EO
					Extended frequency range + measurement protocol + IP 68: EPO

Examples:
L50-7M (Load: Power Dissipation = 50 W; Connector = 7-16 male)
Length calculation: L_{Total} = 105 + 18.9 = 123.9 mm

L200-43MP-P (Load: Power Dissipation = 200 W; Connector = 4.3-10 male push pull; Extra Features: measurement protocol)
Length calculation: L_{Total} = 125 + 32.3 = 157.3 mm