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SILICONE GASKET WITH EMBEDDED METAL WIRE.

GENERAL INFORMATION

This family of EMI Gasket consists of fine monel or aluminium wires oriented perpendicular to the mating surfaces and embedded in solid or sponge silicone or fluorosilicone elastomer.

The elastomer acts as an environmental seal, while the metal wires provide excellent conductivity to establish EMI/RFI integrity.

Available with or without PSA (pressure sensitive adhesive), in sheet, strip or it can easily be die cut by **Euro Technologies** into complex shapes or fabricated into custom frame gaskets.

Customizations

FEATURES AND BENEFITS

- Ideal for both military and commercial applications.
- Wide choice of profiles to fit large range of applications.
- Custom dies can be built to accommodate specific designs.
- Shielding effectiveness up to 120 dB at 10 GHz.
- Low contact resistance.
- Electrochemically compatible with most metals and alloys.
- Service temperatures from - 60 °C to 200 °C.

SPECIFICATIONS

ALUMINIUM
ø 0.13 ± 0.01mm
AMS-4182 Alloy 5056

COLOUR
Grey for Silicone
Blue for Fluorosilicone

MONEL
ø 0.11 ± 0.01 mm
QQ-N-281-B

SOLID SILICONE
ZZ-R-765
30 shore
Temperature Range - 57° to 260°

SPONGE SILICONE
AMS-3195
Temperature Range - 62° to 204°

MECHANICAL TOLERANCES

SHEET SOLID AND SPONGE
Height (mm)
- 0.80 - 6.35   ± 0.25

Width (mm)
- 19.05 - 228.60   ± 5.00

STRIP SOLID
Height (mm)
- 1.57 - 6.35   ± 0.25
- 6.50 - 12.70   ± 0.38

Width (mm)
- 1.57 - 6.35   ± 0.38
- 6.50 - 12.70   ± 0.51

STRIP SPONGE
Height (mm)
- 2.36 - 6.35   ± 0.38
- 6.50 - 12.70   ± 0.51

Width (mm)
- 2.36 - 6.35   ± 0.51
- 6.50 - 12.70   ± 0.76

SHEET MATERIAL

Code	Thickness (mm)	Width (mm)	Lenght (mm)
OWxy-z-0A01-914	0.8 *	228.6	914.0
OWxy-z-0B02-914	1.1 *	228.6	914.0
OWxy-z-0C03-914	1.6 *	228.6	914.0
OWxy-z-0D04-914	2.4	228.6	914.0
OWxy-z-0E05-914	3.2	228.6	914.0
OWxy-z-0F06-914	4.8	228.6	914.0
OWxy-z-0G07-914	6.4	228.6	914.0

Standard Sheet length is 914.0 mm.

* Not available as sponge silicone.

STRIP MATERIAL

Code	Thickness (mm)	Width (mm)
OWxy-z-0A08-914	0.8	9.5
OWxy-z-0C09-914	1.6	3.2
OWxy-z-0D10-914	2.4	6.4
OWxy-z-0E11-914	3.2	7.9
OWxy-z-0F12-914	4.8	4.8
OWxy-z-0G13-914	6.4	19.1

Standard strip length is 914.0 mm.

ANY LONGER LENGTH COULD BE SUPPLIED GLUING STD STRIPS

ANY DIFFERENT WIDTH CAN BE REQUIRED

ORDERING INFORMATION

OW S C - M - 0 A 01 - xxx

OW	Product Family
S	S = Silicone / F = Fluorosilicone
C	C = Compact - Solid / S = Sponge
M	M = Monel / A = Aluminium
0	0 = No Adhesive / 1= Adhesive
A	Thick: A = 0.8 / B = 1.1 / C = 1.6 / D = 2.4 / E = 3.2 / F = 4.8 / G = 6.4
01	Width: from 01 to 13 (as shown in Table)
xxx	Lenght

Max Standard Width = 228.6 mm
Standard Lenght = 914.0 mm

ORDERING INFO

OWxy-z-0E06-914 Replace "xy-z" with code info Table.