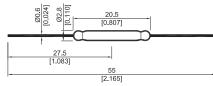
# KSK-1A53-...

# **MEDER electronic**

#### DIMENSIONS

All dimensions in mm [inches]



### **CHARACTERISTICS**

- Glass length of 20.5 mm and diameter of 2.8 mm
- Normally open 1 Form A contact
- · Carry current up to 2.5 A
- High breakdown voltage up to 2 kVDC
- Good RF switch

Switch Model → Contact Form →	KSK-1A53 Form A			
Conditions	Min.	Тур.	Max.	Units
Any DC combination of V and A not to exceed their individual max.'s			10	W
DC or peak AC			220	V
DC or peak AC			1.0	А
DC or peak AC			2.5	А
at 0.5 V & 10 mA			150	mΩ
measured w/ 0.5 V & 50 mA, 1.5 ms after closure			200	mΩ
100 Volts applied	10 <sup>10</sup>			Ω
> 60 sec.	2			kVDC
100 % overdrive			0.75	ms
measured with/ no coil suppression			0.1	ms
at 10 kHz across contact		0.2		pF
	KMS-01			
	20		50	AT
1/2 sine wave for 11 ms			50	g
10 - 2000 Hz			20	g
max. 10 °C / minute allowance	-20		130	°C
max. 10 °C / minute allowance	-55		130	°C
5 sec. dwell			260	°C
	Contact Form →  Conditions  Any DC combination of V and A not to exceed their individual max.'s  DC or peak AC  DC or peak AC  DC or peak AC at 0.5 V & 10 mA measured w/ 0.5 V & 50 mA, 1.5 ms after closure 100 Volts applied > 60 sec. 100 % overdrive measured with/ no coil suppression at 10 kHz across contact  1/2 sine wave for 11 ms 10 - 2000 Hz max. 10 °C / minute allowance max. 10 °C / minute allowance	Contact Form →Min.ConditionsMin.Any DC combination of V and A not to exceed their individual max.'s.DC or peak AC.DC or peak AC.DC or peak AC.DC or peak AC.at 0.5 V & 10 mA.measured w/ 0.5 V & 50 mA, 1.5 ms after closure.100 Volts applied1010> 60 sec100 % overdrive.measured with/ no coil suppression at 10 kHz across contact.101.102.103.104.104.105.106.107.107.108.109.109.109.100 </td <td>Contact Form <math>\rightarrow</math>Form <math>A</math>ConditionsMin.Typ.Any DC combination of V and A not to exceed their individual max.'sI.I.I.I.DC or peak ACI.I.I.I.I.I.DC or peak ACI.I.I.I.I.I.at 0.5 V &amp; 10 mAI.I.I.I.I.I.measured w/ 0.5 V &amp; 50 mA, 1.5 ms after closure101°0I.I.100 Volts applied101°0I.I.I.I.100 Volts applied101°0I.I.I.I.&gt; 60 sec.2I.I.I.I.100 % overdriveI.I.I.I.I.I.measured with/ no coil suppression at 10 kHz across contactI.I.I.I.200I.I.I.I.I.I.1/2 sine wave for 11 ms 10 - 2000 HzI.I.I.I.10. 2000 HzI.I.I.I.I.I.max. 10 °C / minute allowance-20I.I.max. 10 °C / minute allowance-20I.I.max. 10 °C / minute allowance-20I.I.</br></td> <td>Contact Form <math>\rightarrow</math>Form <math>\rightarrow</math>ConditionsMin.Typ.Max.Any DC combination of V and A not to exceed their individual max.'sII10DC or peak ACII220220DC or peak ACII1.02.5at 0.5 V &amp; 10 mAII150150measured w/ 0.5 V &amp; 50 mA, 1.5 ms after closureII200100 Volts applied10"I200100100 % overdriveII0.7510.1&gt; 60 sec.II0.7510.10.75measured with/ no coil suppressionI0.2I101 kHz across contactI0.250IIII10.11/2 sine wave for 11 msII20010 - 2000 Hz-200I130max. 10 °C / minute allowance-255I130</td>	Contact Form $\rightarrow$ Form $A$ ConditionsMin.Typ.Any DC combination of V and A not to exceed their individual max.'sI.I.I.I.DC or peak ACI.I.I.I.I.I.DC or peak ACI.I.I.I.I.I.at 0.5 V & 10 mAI.I.I.I.I.I.measured w/ 0.5 V & 50 mA, 1.5 ms after closure101°0I.I.100 Volts applied101°0I.I.I.I.100 Volts applied101°0I.I.I.I.> 60 sec.2I.I.I.I.100 % overdriveI.I.I.I.I.I.measured with/ no coil suppression at 10 kHz across contactI.I.I.I.200I.I.I.I.I.I.1/2 sine wave for 11 ms 	Contact Form $\rightarrow$ Form $\rightarrow$ ConditionsMin.Typ.Max.Any DC combination of V and A not to exceed their individual max.'sII10DC or peak ACII220220DC or peak ACII1.02.5at 0.5 V & 10 mAII150150measured w/ 0.5 V & 50 mA, 1.5 ms after closureII200100 Volts applied10"I200100100 % overdriveII0.7510.1> 60 sec.II0.7510.10.75measured with/ no coil suppressionI0.2I101 kHz across contactI0.250IIII10.11/2 sine wave for 11 msII20010 - 2000 Hz-200I130max. 10 °C / minute allowance-255I130

### **CONTACT DATA**

Note: The indicated electric data are maximum values can vary downwards when using a more sensitive switch.

\* For life expectancy see our test section on Page 116.

\*\* See our test section on Page 116.

#### **ORDER INFORMATION**

Part Number Example - KSK - 1A53 - 2025

2025 is the AT range (Any AT can be ordered between 20 & 50 in a minimum range of 5 AT)

Series	Contact Form	Switch Model	At Range (between)
KSK -	1A	53 -	хххх
Options			20 -50