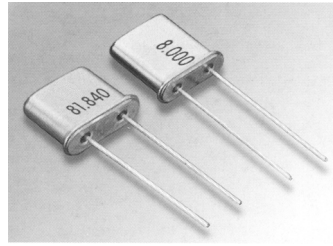


## UM-1, UM-5

### Features/Merkmale

- Tight Tolerance and Stability/Feste Stabilität und Toleranz
- Wide Frequency Range/Grosser Frequenzbereich
- Excellent for Telecom Applications/  
Excellente für Telekom Anwendungen



Specifications/Spezifikationen			
		Symbol	Remarks/Bemerkungen
Frequency range/Frequenz		f	6,400MHz - 45,000MHz 30.000MHz - 200.000MHz
Frequency tolerance (std.), Ta=25°C / Frequenztoleranz		$\Delta f/f$	$\pm 5\text{ppm} - \pm 30\text{PPM}$
Load capacitance/Lastkapazität		$C_L$	6pf - $\infty$
Temperature Tolerance (std.) / Temperaturtoleranz		$\Delta f/f$	$\pm 30\text{ppm}, \pm 50\text{ppm}$
Temperature range/ Temperaturbereich	Storage Temp./Lagertemp.	$T_{STG}$	-55°C - +125°C
	Operating Temp./Arbeitstemp.	$T_{OPR}$	-10°C - +70°C
Drive Level	Maximum drive level	$M_{DL}$	0,01mW - 2mW
	Recommended drive level	$R_{DL}$	0,1mW
Series resistance/Serienwiderstand		$R_1$	As Per Table/siehe Tabelle
Shunt capacitance/Statische Kapazität		$C_0$	7pF max
Insulation resistance/Isolationswiderstand		IR	500M Ohm
Aging/Alterung		$\Delta f_A$	$\pm 3\text{PPM/Year} - \pm 5\text{PPM/Jahr}$

Resistance of series Resonance (ESR), Serienwiderstand						
Frequency/Frequenz (MHz)	Mode/Schwingung	Ohm		Frequency/Frequenz (MHz)	Mode/Schwingung	Ohm
$6,4 \leq f < 7,0$	Fund	70		$35 \leq f < 75$	3 <sup>rd</sup> O.T	40
$7,0 \leq f < 10$	Fund	50		$75 \leq f < 100$	3 <sup>rd</sup> O.T 5 <sup>rd</sup> O.T	35 60
$10 \leq f < 15$	Fund	40		$100 \leq f < 125$	5 <sup>rd</sup> O.T	100
$15 \leq f < 20$	Fund	30		$125 \leq f < 150$	5 <sup>rd</sup> O.T 7 <sup>rd</sup> O.T	100 150
$20 \leq f < 25$	Fund 3 <sup>rd</sup> O.T	20 40		$150 \leq f < 200$	7 <sup>rd</sup> O.T	150
$25 \leq f < 35$	3 <sup>rd</sup> O.T	50				

Drawing/Zeichnung							
	<table border="1"> <thead> <tr> <th>SERIES</th> <th>H</th> </tr> </thead> <tbody> <tr> <td>UM 1</td> <td>8.0max</td> </tr> <tr> <td>UM 5</td> <td>5.8max</td> </tr> </tbody> </table>	SERIES	H	UM 1	8.0max	UM 5	5.8max
SERIES	H						
UM 1	8.0max						
UM 5	5.8max						

Dimensions/Abmessungen in mm

Remarks/Bemerkungen:

All specifications subject to change without notice. / Wir behalten uns vor Daten ohne Mitteilung zu ändern