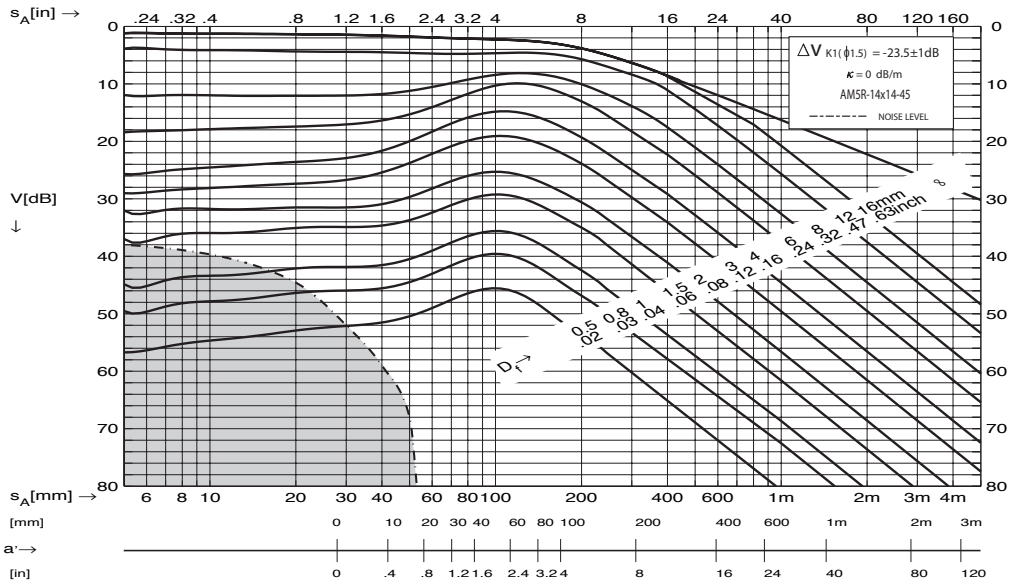


# AM5R-14X14-45

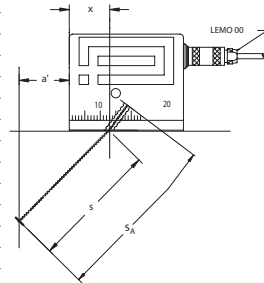


| parameter  | nominal | upper (+) | lower (-) | unit                |
|--|---------|-----------|-----------|---------------------|
| $f_c^1, f_0^2$   | 5.0     | 5.5       | 4.5       | MHz                 |
| $BW^1, \Delta f_{rel}^2$   | 40      | 55        | 25        | %                   |
| Z  | 65      | 90        | 40        | $\Omega$            |
| $\Phi$   | 60      | 80        | 40        | $^\circ$            |
| N  | 98      | 113       | 83        | mm                  |
| $W_{a6}$   | 2.1     | 2.2       | 2.0       | mm                  |
| $W_{b6}$   | 2.7     | 2.9       | 2.5       | mm                  |
| a  | 14.0    | 14.0      | 13.9      | mm                  |
| $a_{eff}$  | 13.6    | 13.8      | 13.4      | mm                  |
| b  | 14.0    | 14.0      | 13.9      | mm                  |
| $b_{eff}$  | 13.6    | 13.8      | 13.4      | mm                  |
| $\alpha_{(3255m/s)}$   | 45      | 47        | 43        | $^\circ$            |
| $\Delta\alpha/\Delta T$  | 0.9     | 1.1       | 0.7       | $^\circ/10^\circ C$ |
| $lv_{(2743m/s)}$   | 10.0    | 11.0      | 9.0       | mm                  |
| $\delta$   | 0       | +1        | -1        | $^\circ$            |
| e  | 0       | +1        | -1        | mm                  |
| x  | 13      | 14        | 12        | mm                  |
| $\gamma_{a6}$  | 1.2     | 1.4       | 1.0       | $^\circ$            |
| $\gamma_{b6}$  | 1.7     | 1.9       | 1.5       | $^\circ$            |
| M  | 3       | --        | --        | mm                  |
| $T_r$  | -20/+60 | --        | --        | $^\circ C$          |
| Waveform duration <sup>1</sup> , Pulse duration <sup>2</sup> , Echobreite <sup>2</sup> , Largeur de l'écho <sup>2</sup><br>-20dB | 1.0     | 1.1       | --        | us                  |

1: ASTM E1065  
3: EN 1330-4:2000

2: prEN 12668-2  
4: EN 583-2:2001

## AM5R-14X14-45



$$s_V = 8.4 \pm 1 \text{ mm}$$

$$s = s_A - s_V$$

$s_V$  is the sound field equivalent of delay path length ( $lv$ )

$s_V$  entspricht im Schallfeld der Länge der Vorlaufstrecke  $lv$

$s_V$  est l'équivalent du champ acoustique de la longueur de la ligne de retard