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(30) 10/021,380 2001 10 30 (US)

(71) ( 94306-2024) 395

(72) 80132 19855

80918 5135

95403 3895

(74)

10

(54)

1

2

2 : 3 :

5 : 9 :

14 : 15, 16 :

17 : 18 :

21 : 26 :

(2001. 7. 3 Dove, Casey Blume ) 6,255,730 B1 가  
가 . KQ-120 KQ-CL907406가 , Heraeus Cermalloy  
'KQ ' 'KQ' , (encaps  
ulated)'

6,255,730 B1

IC 가 가 (hybrid)  
 IC (assemblies)  
 IC  
 microstrip) (encapsulated  
 (ground) 가  
 (shielded) )  
 ( coaxial )  
 ( quasi-coaxial )  
 ( component side )  
 ( '730 B1  
 .050 .015  
 가

, ' (shielded cable)'

output microwave carrier)

(strip lines)

가	,	(holes)	가	.
(capacitance)	,	(plate)	,	,
,	가	.	.	.
IC가	IC가	가	IC	.
,	,	,	.	.
,	,	,	.	.
plane)	(bypass)	,	(filtering)	가
,	,	,	(	(ground
(definite)	가	,	가	(a piece part component) )
,	,	,	,	.
,	,	,	가	.
,	,	,	.	.
,	,	,	.	.
가	,	가	,	/
,	,	,	.	.
가	,	(vias)	,	.
,	,	(thin pad)	,	.
가	,	가	,	.
,	,	,	.	.
surface mount resistors)	(metallic top)	,	,	.
,	,	,	,	.
가	,	,	.	.
,	,	,	.	.
RF	가	,	.	.
,	,	,	.	.
stray coupling)	(s	,	,	.

1 , 1 가 0.040 96% (alumina) (2)  
 (quasi-coaxial conductor)  
 '730 B1 . , (2) ( ,  
 ) , (ground planes) , , 가  
 (3) , Hetaeus KQ-500 가 , Au , 가 , ,  
 가 (meandering) KQ 1/2(bottom-half)  
 1/2 (4) .( ( Au) , (5) 1/2  
 (5) , KQ 1/2 1/2  
 p)(6) 1/2 (5) , KQ (4, 5) (covering stri  
 Au) 1/2 (5) ( ( ground shield) ,  
 (ground) KQ (4, 5) (5) KQ  
 KQ (4, 5) (9) 50

(3) (sheet) 가



(57)

1.

(component side)

(non - component side)

(2) ,

(3) ,

(signal terminal)

(9) ,

(trace region)(25)

(20) ,

가 ,

가

(16)

,

(18)

가 ,

(26)

2.

1 ,

(19)

3.

1 ,

(21)

(종대기술)

1



